

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (original) Thermal ink jet printhead (40) comprising nozzles (56), chambers (57) in turn comprising resistors 27, and a groove (45), made in a substrate (140), suitable for fluidly ducting ink (142) to said chambers (57)

characterized in that said groove (45) comprises a first portion (45') produced by means of a dry etching, and a second portion (45'') produced by means of an electrochemical etching.

2. (original) Printhead according to claim 1, characterized in that said substrate (140) is made of silicon.

3. (original) Printhead according to claim 2, characterized in that said nozzles (56) and said resistors (27) are disposed in columns parallel to one and the same geometric reference (63).

4. (original) Printhead according to claim 3, characterized in that said first portion (45') of said groove (45) has a substantially rectangular shape having a greater side parallel to said geometric reference (63).

5. (original) Printhead according to claim 3, characterized in that said second portion (45'') of said groove (45) has a substantially rectangular shape having a greater side parallel to said geometric reference (63).

6. (original) Printhead according to claim 3, characterized in that said first portion (45') of said groove (45) also comprises a wet etching having a substantially rectangular shape and a greater side parallel to a crystallographic axis of said silicon which constitutes said substrate (140), and that said crystallographic axis cannot be parallel to said geometric reference (63).

7. (original) Printhead according to claim 1, characterized in that it also comprises an N-well layer (36).

8. (original) Printhead according to claim 1, characterized in that it also comprises a P+ layer (37).
9. (original) Printhead according to claim 1, characterized in that it also includes an anti-cavitation layer (26) of electrically conducting material.
10. (original) Printhead according to claim 9, characterized in that said anti-cavitation layer (26) of electrically conducting material forms a single equipotential surface through said head (40).
11. (original) Printhead according to claim 9, characterized in that said anti-cavitation layer (26) is made of tantalum.
12. (original) Printhead according to claim 11, characterized in that said anti-cavitation layer (26) of tantalum is between 0.4 and 0.6  $\mu\text{m}$  thick.
13. (original) Printhead according to claim 9, characterized in that said anti-cavitation layer (26) is covered by a layer of gold.
14. (original) Printhead according to claim 13, characterized in that said layer of gold is between 100 and 200  $\text{\AA}$  thick.
15. (original) Printhead according to claim 9, characterized in that it also comprises a first metal (25) or a second metal (31) and that said first metal (25) or said second metal (31) forms one or more electric contacts with said anti-cavitation layer 26.

Claims 16-24 (Canceled)